

一般総合科目

1. Possible involvement of Phosphatidylinositol 3-kinase, but not protein kinase B or glycogen synthase kinase 3 β , in progesterone-induced oocyte maturation in the Japanese brown frog, *Rana japonica*., *Zoological Science* Vol.25, pp.773-781 (2008), Ryoma Ota¹, Kaori Suwa¹, Tomoya Kotani¹, Koichi Mita² and Masakane Yamashita¹, ¹ *Laboratory of Reproductive and Developmental Biology, Faculty of Advanced Life Science, Hokkaido University*,
² *Tokushima Bunri University*

薬学部

- 1 薬事関係法規・制度解説 第9版, 廣川書店, pp.1-394 (2008年), 塩原義則, 薬学部
- 2 生物薬科学実験講座「糖質」, 廣川書店, p.250 (2008年), 富田基郎, 薬学部
- 3 スタンダード薬学シリーズ 9 薬学と社会 (日本薬学会編) 第2版, 東京化学同人, p.244 (2008年), 富田基郎, 薬学部

人間生活学部

- 1 論文 ショッピングにおける会話、消費者教育 28, 日本消費者教育学会, pp.117-124 (2008 年 9 月), 森田陽子他, 人間生活学部人間生活学科**
- 2 共著 子どもを理解する, へるす出版 (2008 年), 島 治伸, 人間生活学部心理学科**
- 3 解説論文 個別の指導計画と個別の教育支援計画, 季刊特別支援教育 31 号, 東洋館出版 (2008), 島 治伸, 人間生活学部心理学科**
- 4 論文 青年期における人間信頼感・自己存在感と攻撃性の関連, 徳島文理大学研究紀要第 76 号, pp.65-79 (2008), 谷本泰子¹, 笠井達夫¹, ¹人間生活学部心理学科**

総合政策学部

- 1 著書 インド経済のマクロ分析, 世界思想社 (2009年1月), 佐藤隆広¹, 南波浩史², 久保彰宏³, 福味敦⁴, ¹神戸大学, ²徳島文理大学総合政策学部, ³大阪市立大学, ⁴東海大学
- 2 論文 金融変数と実体経済変数の関係について—1990年代後半以降の日本の場合—, 経済論集 **58** (1), 関西大学, pp.45-58 (2008年7月), 廣江満郎¹, 南波浩史², ¹関西大学, ²徳島文理大学総合政策学部
- 3 論文 スコットランド啓蒙時代の光と影—オークニー諸島の事例から, 日本西洋史学会第58回大会報告要旨集, 日本西洋史学会, p.40 (2008年5月), 古家弘幸, 総合政策学部
- 4 著書 物語 経済史, ふくろう出版, pp.206 (2008年9月), 古家弘幸, 総合政策学部
- 5 著書 アメリカ歴代大統領の通信簿—ワシントンからオバマまで, PHP研究所, pp.269 (2008年12月), 八幡和郎¹, 古家弘幸², 吉田健一³, 河田桂子⁴, ¹徳島文理大学専門職大学院総合政策研究科, ²徳島文理大学総合政策学部, ³鹿児島大学, ⁴キャリアコンサルタントネットワーク京都

短期大学部

- 1 論文 コンジョイント分析の考察（高校生への志望大学アンケート調査），徳島文理大学研究紀要
第 75 号，pp.35-44（2008年），椿本晃久，短期大学部商科

文学部

- 1 著書 西國寺調査研究報告書 第5号（尾道・西國寺における修学・付法活動の調査研究—中・近世の聖教・典籍を中心として—），徳島文理大学，p.169（2008年3月），加藤 優¹，濱田 宣¹，青木 育²，¹文学部文化財学科，²文学部日本文学科
- 2 著書 主体性・協調性・責任感の涵養Ⅱ—学生の企画による展覧会開催の取り組み2007—（平成19年度徳島文理大学特色のある教育研究事業並びに文部科学省大学教育高度化推進事業「主体性・協調性・責任感を涵養する学習支援—文化財の調査研究から展覧会開催まで—」成果報告書），徳島文理大学，p.90（2008年3月），濱田 宣，文学部文化財学科

工学部

1 A Consideration of Selecting Objective Function for Adaptive Exponential Smoothing,

徳島文理大学研究紀要第 75 号, pp.69-72 (2008), J. Morimoto¹, T. Yoshida¹, A. Higuchi¹, H. Kasamatsu², N. Furumoto¹ and T. Tabuchi¹, ¹Tokushima Bunri University, ²Kamacho Scale Co., Ltd.

2 非線形最小2乗問題に対する一手法, 徳島文理大学研究紀要第 75 号, pp.81-95 (2008), 堀尾 誠²,

森本滋郎¹, 田渕敏明¹, ¹徳島文理大学, ²大学院工学研究科博士後期課程

3 タンデム型有機薄膜 (P3HT/C₆₀) 太陽電池の構造の検討, 徳島文理大学研究紀要第 76 号, p.135,

2008 年 9 月, 荒井健二¹, 杉村恵美¹, 村松信一¹, ¹徳島文理大学

4 Characterization of Novel Cholesterol Esterase from *Trichoderma* sp. AS59 with High

Potential Ability to Synthesize Steryl Esters., *Journal of Bioscience and Bioengineering* **105**(4), pp.341-349 (2008), A. Maeda¹, T. Mizuno¹, M. Bunya¹, S. Sugihara¹, D. Nakayama², S. Tsunashima², Y. Hirota³ and A. Sugihara¹, ¹Faculty of Engineering, Tokushima Bunri University, ²Life Science Laboratory, Shimadzu Corporation, ³Yashiro Co.

5 Extraction of defatted rice bran by subcritical water treatment., *Biochemical*

Engineering Journal **40**(1), pp.44-53 (2008), S. Hata¹, J. Wiboonsirikul¹, A. Maeda², Y. Kimura¹ and S. Adachi¹, ¹Division of Food Science and Biotechnology, Graduate School of Agriculture, Kyoto University, ²Department of Nano Material and Bio Engineering, Faculty of Engineering, Tokushima Bunri University

6 ヒト常在性酵母 *Candida glabrata* のストレス耐性と医療・産業への応用, 徳島文理大学研究紀要第

76 号, pp.117-122 (2008), 古田達也¹, 林 洋平¹, 村上裕太¹, 河野祐子¹, 村松大祐¹, 大久保直紀¹, 江田亜沙美¹, 文谷政憲¹, 前田淳史¹, 水野貴之¹, ¹理工学部ナノ物質工学科

7 セルロース固体構造変化に及ぼす親水性および疎水性溶媒の効果, 高分子論文集 65 (7), p.483

(2008), 吾郷万里子¹, 佐藤一石¹, 遠藤貴士², 岡島邦彦¹, ¹徳島文理大学工学部ナノ物質工学科, ²(独)産業技術総合研究所

8 Enhanced bending stability of carbon-nanotube-reinforced indium tin oxide films on

flexible plastic substrates, *Applied Physics Letters* **93**, pp.013114-1-013114-3 (2008), K. Chiba¹ and A. Futagami¹, ¹Department of Nano Material and Bio Engineering, Tokushima Bunri University

9 Analysis of structural distribution of nitrogen-incorporated species at the interface of

silicon oxide films on silicon using time-of-flight secondary ion mass spectrometry and Poisson approximation, *Analytical Chemistry* **80**, pp.6286-6292 (2008), K. Chiba¹, ¹Department of Nano Material and Bio Engineering, Tokushima Bunri University

- 10 Secondary ion species containing nitrogen atoms from plasma-enhanced chemical vapor deposited silicon oxide films on silicon**, *Applied Surface Science* **254**, pp.5727-5731 (2008), K. Chiba and Y. Tsuji¹, ¹ *Department of Nano Material and Bio Engineering, Tokushima Bunri University*
- 11 Embedded structure of silicon monoxide in SiO₂ films**, *Applied Surface Science* **254**, pp.2534-2539 (2008), K. Chiba¹ and Y. Takenaka¹, ¹ *Department of Nano Material and Bio Engineering, Tokushima Bunri University*
- 12 Fabrication and optical properties of low-emissivity coatings of AlSiN and AgCuNd-alloy multilayer films on glass**, *Japanese Journal of Applied Physics* **47**, pp.240-243 (2008), K. Chiba¹ and S. Kaminishi¹, ¹ *Department of Nano Material and Bio Engineering, Tokushima Bunri University*
- 13 ダブルルーメンカテーテルにおけるバスキュラーアクセス再循環増加因子の検討**, 医療工学雑誌 第2号, pp.17-24 (2008年3月15日), 武藏健裕¹, 焼廣益秀^{1,2}, 二宮伸治^{1,2}, 清水希功^{1,2}, ¹広島国際大学大学院総合人間科学研究科医療工学専攻, ²広島国際大学保健医療学部臨床工学科

香川薬学部

〈薬理学講座〉

[原著論文]

- 1 **Glycine receptors mediate excitation of subplate neurons in neonatal rat cerebral cortex.**, *J. Neurophysiol.* 100, pp.698-707 (2008), W. Kilb, IL. Hanganu, A. Okabe, BA. Sava, C. Okabe-Shimizu, A. Fukuda and HJ. Luhmann
- 2 **Sustained Contraction and Endothelial Dysfunction Induced by Reactive Oxygen Species in Porcine Coronary Artery.**, *Biol. Pharm. Bull.* 31(9), pp.1667-1672 (2008), Y. Ishihara, M. Sekine, A. Hatano and N. Shimamoto
- 3 **Important amino acid residues that confer CYP2C19 selective activity to CYP2C9.**, *J. Biochem* 144(3), pp.323-333 (2008), Y. Wada, M. Mitsuda, Y. Ishihara, M. Watanabe, M. Iwasaki and S. Asahi
- 4 **Direct interaction of SNARE complex binding protein synaphin/complexin with calcium sensor synaptotagmin 1.**, *Brain Cell Biol.* in press (2009), T. Tokumaru, Chigusa Okabe-Shimizu and Teruo Abe

[著書・訳書]

- 1 小野寺憲治編集 薬の効くプロセス, 第6章 循環器系に作用する薬物, ネオメディカル出版, pp.173-205 (2008), 嶋本典夫, 石原康宏, 共著

〔邦文総説・解説等〕

- 1 活性酸素の素顔, 香川薬剤師会会報 No.129, pp.47-50, 嶋本典夫, 石原康宏 (2008)

〈薬物治療学講座〉

- 1 **The Entry of Manganese Ions into the Brain Is Accelerated by the Activation of N-Methyl-D-Aspartate Receptors.**, *Neuroscience* 154, pp.732-740 (2008), K. Itoh, M. Sakata, M. Watanabe, Y. Aikawa and H. Fujii
- 2 **Important amino acid residues that confer CYP2C19 selective activity to CYP2C9.**, *J. Biochem.* 144, pp.323-333 (2008), Y. Wada, M. Mitsuda, Y. Ishihara, M. Watanabe, M. Iwasaki and S. Asahi

〈生理化学講座〉

[原著論文]

- 1 **Random insertion of injected DNA molecules into the macronuclear chromosome of Paramecium caudatum.**, *Jpn. J. Protozool.* 41, pp.159-168 (2008), Yasuhiro Takenaka, Akira Yanagi, Hiromi Masuda, Youji Mitsui, Hiroshi Mizuno and Nobuyuki Haga

2 Properties and expression of a multidrug efflux pump AcrAB-KocC from Klebsiella pneumoniae., *Biol Pharm Bull*. **31**, pp.577-582 (2008), DW. Li , M. Onishi, T. Kishino, T. Mastuno, W. Ogawa, T. Kuroda and T. Tsuchida

3 SmdAB, a heterodimeric ABC-Type multidrug efflux pump, in *Serratia marcescens*., *J Bacteriol*. **190**, pp.648-654 (2008), T. Mastuno, J. Chen, Y. Minato, W. Ogawa, T. Mizushima, T. Kuroda and T. Tsuchida

4 ゾウリムシ (*paramecium caudatum*) 発見ベクターの大核 DNA への組み込み, 原生動物学会雑誌 **41** (1), pp.68-69 (2008), 竹中康浩, 三井洋司, 芳賀信幸

[総説等]

- 1 老化研究と放射線生物医学での接点, アカデミズムと社会とを繋ぐ, pp.25-26 (2008), 三井洋司
- 2 老化研究事始め—アンチエイジングの行方, 基礎老化研究 **32** (1) pp.19-20 (2008), 三井洋司
- 3 老化研究事始め—老化と寿命の起源, 進化は ?, 基礎老化研究 **32** (3) pp.31-32 (2008), 三井洋司
- 4 老化研究事始め—最大寿命はどの遺伝子に, 基礎老化研究 **32** (4) pp.31-32 (2008), 三井洋司

〈機能生物学講座〉

[原著論文]

- 1 **Olfactory information processing in the *Drosophila* antennal lobe: Anything goes?**, *J Neurosci* 28, pp.13075-13087 (2008), A. F. Silbering, R. Okada, K. Ito and C. G. Galizia
- 2 **Genomic structure of nitric oxide synthase in the terrestrial slug is highly conserved.**, *Gene* 415, 74-81 (2008), R. Matsuo, K. Misawa and E. Ito
- 3 **Redundancy of olfactory sensory pathways for odor-aversion memory in the terrestrial slug *Limax valentianus*.**, *J Exp Biol* 211, pp.1841-1849 (2008), M. Yamagishi, E. Ito and R. Matsuo
- 4 **Glutamatergic networks in the *Ciona intestinalis* larva.**, *J Comp Neurol* 508, pp.249-263 (2008), T. Horie, T. Kusakabe and M. Tsuda
- 5 **Pigmented and nonpigmented ocelli in the brain vesicle of the ascidian larva.**, *J Comp Neurol* 509, pp.88-102 (2008), T. Horie, D. Sakurai, H. Ohtsuki, A. Terakita, Y. Shichida, J. Usukura, T. Kusakabe and M. Tsuda
- 6 **Biological insights into robot ics: honeybee foraging behavior by waggle dance.**, *Advanced Robotics* 22, pp.1665-1681 (2008), R. Okada, H. Ikeno, H. Aonuma and E. Ito

- 7 Drosophila olfactory local interneurons and projection neurons derive from a common neuroblast lineage specified by the empty spiracles gene.**, *Neural Dev* 3, p.33 (2008), A. Das, S. Sen, R. Lichtneckert, R. Okada, K. Ito, V. Rodrigues and H. Reichert
- 8 Atomic force microscopic observation of nucleosomes consisting of core histones and DNA promoter regions.**, *Information* 11, pp.513-523 (2008), A. Takashima, H. Sadamoto, A. Okuta and E. Ito
- 9 Upside-down gliding of *Lymnaea*.**, *Biol Bull* 215, pp.272-279 (2008), K. Aono, … , M. Yamagishi, … and E. Ito
- 10 Change of morphology and cytoskeletal protein gene expression during dibutyryl cAMP-induced differentiation in C6 glioma cells.**, *Cell Mol Neurobiol* 28, pp.519-528 (2008), W. Hu, T. Onuma, N. Birukawa, N. Abe, E. Ito, Z. Chen and A. Urano
- 11 Localization of serotonin transporter mRNA in the CNS of *Lymnaea stagnalis*.**, *Acta Biol Hung* 59, pp.61-64 (2008), H. Sadamoto, , Z. Serfözö and E. Ito
- 12 Recovery of learning ability after the ablation of the procerebrum in the terrestrial slug *Limax valentianus*.**, *Acta Biol Hung* 59, pp.73-76 (2008), R. Matsuo and E. Ito
- 13 The effects of GABA on the network oscillations of the procerebrum in *Limax valentianus*.**, *Acta Biol Hung* 59, pp.77-79 (2008), S. Kobayashi, M. Hattori and E. Ito
- 14 Immunohistological studies on the distribution of learning-related peptides in the central nervous system of conditioned *Lymnaea*.**, *Acta Biol Hung* 59, pp.81-92 (2008), Y. Nomura, D. Hatakeyama, T. Horikoshi and M. Sakakibara
- 15 Speed of back-swimming of *Lymnaea*.**, *Acta Biol Hung* 59, pp.105-109 (2008), K. Aono, … , R. Okada, … and E. Ito
- 16 The dance of the honeybee: how do honeybees dance to transfer food information effectively?**, *Acta Biol Hung* 59, pp.157-162 (2008), R. Okada, H. Ikeno, N. Sasayama, H. Aonuma, D. Kurabayashi and E. Ito
- 17 Functions of a GnRH receptor heterodimer of the ascidian, *Ciona intestinalis*.**, *Acta Biol Hung* 59, pp.241-243 (2008), T. Sakai, M. Aoyama, T. Kusakabe, M. Tsuda and H. Satake

[著書]

- 1 細胞分類・操作技術の最前線, シーエムシー出版 (2008), 長沼圭一, 米山祐樹, 小林 卓, 伊藤 悅朗

[原著論文]

- 1 Molecular design and synthesis of water-soluble silver(I) complexes exhibiting a wide spectrum of effective antimicrobial activities.**, *Curr. Top. Biochem. Res.* (2008), K. Nomiya, I. Azumaya, Chikaraishi, N. Kasuga and T. Kato
- 2 Synthesis, Structure, and Solvent-Induced Spontaneous Homochiral Assembly of Bidentate Bis(N,N-diaryl-N-heterocyclic carbene)-Palladium Complexes.**, *Eur. J. Inorg. Chem.* pp.4861-4865 (2008), T. Makino, H. Masu, K. Katagiri, R. Yamasaki, I. Azumaya and S. Saito
- 3 Polymorphism and Pseudopolymorphism of an Aromatic Amide: Spontaneous Resolution and Crystal-to-Crystal Phase Transition.**, *Cryst. Growth Des.* 8, pp.3871-3877 (2008), T. Kato, I. Okamoto, H. Masu, K. Katagiri, M. Tominaga, K. Yamaguchi, H. Kagechika and I. Azumaya
- 4 One-Pot Synthesis of Cyclic Triamides with a Triangular Cavity from trans-Stilbene and Diphenylacetylene Monomers.**, *Org. Lett.* 10, pp.3207-3210 (2008), A. Yokoyama, T. Maruyama, K. Tagami, H. Masu, K. Katagiri, I. Azumaya and T. Yokozawa
- 5 Chirality Transfer from Epoxide to Carbanion: Base-Induced Alkylation of O-Carbamoyl Cyanohydrins of β -Silyl- α,β -epoxy Aldehyde.**, *Eur. J. Org. Chem.*, pp.3061-3064 (2008), M. Sasaki, E. Kawanishi, Y. Shirakawa, M. Kawahata, H. Masu, K. Yamaguchi and K. Takeda
- 6 Chiral Spherical Molecule Constructed from Aromatic Amides: Facile Synthesis and Highly Ordered Network Structure in the Crystal.**, *J. Org. Chem.* 73, pp.5143-5146 (2008), H. Masu, K. Katagiri, T. Kato, H. Kagechika, M. Tominaga and I. Azumaya
- 7 Synthesis and characteristic stereostructure of biphenanthryl ether.**, *Tetrahedron: Asymm.* 19, pp.1407-1410 (2008), Y. Koizumi, S. Suzuki, K. Takeda, K. Murahashi, M. Horikawa, K. Katagiri, H. Masu, T. Kato, I. Azumaya, S. Fujii, T. Furuta, K. Tanaka and T. Kan
- 8 Synthesis, crystal structure and dynamic behavior of naphthalene-based calix[3]amide: Cyclic trimers of 2-alkylamino-6-naphthoic acid.**, *J. Mol. Struct.*, pp.346-350 (2008), K. Katagiri, K. Sawano, M. Okada, S. Yoshiyasu, R. Shiroyama, N. Ikejima, H. Masu, T. Kato, M. Tominaga and I. Azumaya
- 9 Double nitro-Mannich reaction utilizing in situ generated N-trimethylsilylaldimines: novel four-component one-pot synthesis of nitroimines.**, *Tetrahedron.* 64, pp.1388-1396

(2008), S. Tanaka, Y. Oguma, Y. Tanaka, H. Echizen, H. Masu, K. Yamaguchi, K. Kishikawa, S. Kohmoto and M. Yamamoto

10 Conformation of S-Shaped Aromatic Imide Foldamers and Their Induced Circular Dichroism., *Tetrahedron Lett.* **49**, pp.1223-1227 (2008), S. Kohmoto, H. Takeichi, K. Kishikawa, H. Masu and I. Azumaya

11 Polymorphism-Dependent Fluorescence of 9,10-Bis(pentafluoro-benzoyloxy) Anthracene., *Tetrahedron Lett.* **49**, pp.39-43 (2008), S. Kohmoto, R. Tsuyuki, H. Masu, I. Azumaya and K. Kishikawa

[著書]

1 ベーシック薬学教科書シリーズ‘有機化学’, 化学同人 (2008), 東屋 功 共著

<医薬化学講座>

[原著論文]

1 **A new approach to the benzopyridoxepine core by metal mediated intramolecular biaryl ether formation.**, *Heterocycles* **75**, pp.2949-2958 (2008), G. Serban, H. Abe, Y. Takeuchi and T. Harayama

2 **Concise asymmetric synthesis of (+)-febrifugine utilizing trans-selective intramolecular conjugate addition.**, *Synthesis*, pp.3081-3087 (2008), S. Sukemoto, M. Oshige, M. Sato, K. Mimura, H. Nishioka, H. Abe, T. Harayama and Y. Takeuchi

3 **Synthesis of highly oxygenated biphenyl derivative in an optically active form through palladium-mediated intramolecular biaryl coupling reaction.**, *Heterocycles* **76**, pp.291-303 (2008), H. Abe, M. Arai, K. Nishioka, T. Kida, K. Shioe, Y. Takeuchi and T. Harayama

4 **Enantioselective synthesis of valoneic acid derivative**, *Tetrahedron Lett.* **49**, pp.605-609 (2008), H. Abe, Y. Sahara, Y. Matsuzaki, Y. Takeuchi and T. Harayama

[総説]

1 **Palladium-mediated intramolecular biaryl coupling reaction for natural product synthesis.**, *Heterocycles* **75**, pp.1305-1320 (2008), H. Abe and T. Harayama

[著書]

1 日比野俐, 夏苅英昭, 廣田耕作 編集 **NEW 医薬品化学**, 廣川書店, 初版 (2008), 原山 尚 (分担執筆)

<生薬・天然物化学講座>

[原著論文]

- 1 **Antileishmanial compounds from a Myanmar Plant *Cordia fragrantissima*.**, *J. Nat. Prod.* **71**(1), pp.18-21 (2008), Kanami Mori, Marii Kawano, Hiroyuki Fuchino, Yutaka Agatsuma, Motoyoshi Satake, Takenori Kusumi and Setsuko Sekita
- 2 **A New Leishmanicidal Saponin from *Brunfelsia grandiflora*.**, *Chem. Pharm. Bull.* **56**(1) 93-96 (2008), Hiroyuki Fuchino, Setsuko Sekita, Kanami Mori, Nobuo Kawahara, Motoyoshi Satake and Fumiuki Kiuchi
- 3 ***Codonopsis lanceolata* Ameliorate Plasma Testosterone Reduction Induced by Immobilization Stress in Middle-Aged Mice.**, *Pharmacometrics* **75**, pp.69-75, M. Ushijima, I. Mizuno, S. Ohota, M. Sumihiro, Y. Mouri, M. Ichikawa, M. Hayama, S. Sekita and M. Kuroyanagi
- 4 **Flavonoid glycosides and limonoids from *Citrus molasses*.**, *J. Nat. Med.* **62** (1), pp.107-111 (2008), M. Kuroyanagi, H. Ishii, N. Kawahara, H. Sugimoto, H. Yamada, K. Okihara and O. Shirota
- 5 **Antimitotic quinoid triterpenes from *Maytenus chuchuhuasca*.**, *Bioorg. Med. Chem. Lett.* **18**(3), pp.1050-1052 (2008), H. Morita, Y. Hirasawa, A. Muto, T. Yoshida, S. Sekita and O. Shirota
- 6 **Triterpene glycosides from the roots of *Codonopsis lanceolata*.**, *Chem. Pharm. Bull.* **56** (3), pp.308-314 (2008), M. Ushijima, N. Komoto, Y. Sugizono, I. Mizuno, M. Sumihiro, M. Ichikawa, M. Hayama, N. Kawahara, T. Nakane, O. Shirota, S. Sekita and M. Kuroyanagi
- 7 **Novel lanostane and rearranged lanostane-type triterpenoids from *Abies sachalinensis*.**, *Chem. Pharm. Bull.* **56** (4), pp.554-558 (2008), H.-Y. Gao, L.-J. Wu, T. Nakane, O. Shirota and M. Kuroyanagi
- 8 **Preparative separation of the saponin lancemaside a from *Codonopsis lanceolata* by centrifugal partition chromatography.**, *Phytochem. Anal.* **19**(5), pp.403-410 (2008), O. Shirota, K. Nagamatsu, S. Sekita, N. Komoto, M. Kuroyanagi, M. Ichikawa, S. Ohta and M. Ushijima
- 9 **Beyerane derivatives and a sesquiterpene dimer from Japanese Cypress (*Chamaecyparis obtusa*).**, *Chem. Pharm. Bull.* **56**(7), pp.1030-1034 (2008), H.-Y. Gao, L.-J. Wu, N. Muto, H. Fuchino, T. Nakane, O. Shirota, T. Sano and M. Kuroyanagi
- 10 **Rearranged Lanostane Triterpenoids from *Abies sachalinensis* (III).**, *Chem. Pharm. Bull.* **56** (9), pp.1352-1354 (2008), H.-Y. Gao, L.-J. Wu, T. Nakane, O. Shirota and M. Kuroyanagi
- 11 **Rapid identification of triterpenoid saponins in the roots of *Codonopsis lanceolata* by liquid chromatography-mass spectrometry.**, *J. Nat. Med.* **62**(4), pp.423-429 (2008), M. Ichikawa, S. Ohta, N. Komoto, M. Ushijima, Y. Kodera, M. Hayama, O. Shirota, S. Sekita and M.

Kuroyanagi

12 Molecular characterization of the phenylalanine Ammonia-Lyase from *Ephedra sinica*., *Biological & Pharmaceutical Bulletin* **31**(12), pp.2194-2199, Taketo. Okada, Masayuki. Mikage and Setsuko. Sekita

〈解析化学講座〉

1 Novel Oxime and Oxime Ether Derivatives of 12,14-Dichrolodehydroabietic Acid: Design, Synthesis and BK Channel-Opening Activiry., *Bioorg & Med Chem Lett*, pp.6386-6389 (2008), Y. Cui, E. Yasutomi, Y. Otani, T. Yoshinaga, K. Ido, K. Sawada, M. Kawahata, K. Yamaguchi and T. Ohwada,

2 Formation of 1,4-diphosphinobenzenes via Tele- substitution on Fluorobenzene-chromium Complexes., *J Organomet Chem*, pp.3546-3552 (2008), Y. Yamamoto, H. Danjo, K. Yamaguchi and T. Imamoto

3 Nonplanar Structures of Thioamides Derived from 7- Azabicyclo[2.2.1]heptane. Electronically Tunable Planarity of Thioamides., *J Org Chem*, pp.9102-9108 (2008), T. Hori, Y. Otani, M. Kawahata, K. Yamaguchi and T. Ohwada,

4 Polymorphism and Pseuedopolymorphism of an Aromatic Amide: Spontaneous Resolution and Crystal to Crystal Phase Transition., *Crystal Growth & Design* **8**(10), pp.3871-3877 (2008), T. Kato, I. Okamoto, H. Masu, K. Katagiri, M. Tominaga, K. Yamaguchi, H. Kagechika and I. Azumaya

5 A SEC-HPLC-ICP MS Hyphenated Technique for Identification of Sulfur-Containing Arenic Metabolites in Biological Samples., *J Chromatogr B* **874**, pp.64-76 (2008), Mandal B. K., T. Suzuki, K. Anzai, K. Yamaguchi and Y. Sei

6 Encapsulation of Aromatic Molecules in Hexanuclear Arene Ruthenium Cages: A Strategy to Build Up Organometallic Carceplex Prisms with a Dangling Arm Standing Out., *Organometallics* **27**, pp.4346-4356 (2008), J. Mattson, P. Govindaswamy, J. Furrer, Y. Sei, K. Yamaguchi, G. Suss-Fink and B. Therrien

7 Translation of Helical Chirality from Polymer into monomer: Supramolecular Polymerization of a Chirality-Memory Molecule with an Asymmetric Pd(II) Complex., *Tetrahedron* **64**, pp.8264-8270 (2008), A. Akhtarul , A. Tsuda, Y. Sei, K. Yamaguchi and T. Aida

8 Total Synthesis of Dispyrin, Purpurealidin E, and Aplysamine-1., *Chem Pharm Bull* **56**(9), pp.1362-1363 (2008), M. Yoshida and K. Yamaguchi

9 Chirality Transfer from Epoxide to Carbanion: Base-Induced Alkylation of o-carbamoyl Cyanohydrins of β -Silyl- α,β -epoxy Aldehyde., *Eur J Org Chem*, pp.3061-3064 (2008), M. Sasaki, E. Kawanishi, Y. Shirakawa, M. Kawahata, H. Masu, K. Yamaguchi and K. Takeda

- 10 Intramolecular Nonbonded S … N Interaction in Rabeprazole.**, *Chem Pharm Bull* 56(6), pp.802-806 (2008), K. Hayashi, S. Ogawa, S. Sano, M. Shiro, K. Yamaguchi, Y. Sei and Y. Nagao
- 11 Detection of Microcystin-Metal Complexes by Using Cryospray Ionization-Fourier Transform Ion Cyclotron Resonance Mass Spectrometry.**, *Toxicon* 51, pp.1496-1498 (2008), K. Saito, Y. Sei, S. Miki and K. Yamaguchi
- 12 Diastereoselective Brook Rearrangement-Mediated [3+4] Annulation: Application to a Formal Synthesis of (+)-Laurallene.**, *Org Lett*, pp.2049-2051 (2008), M. Sasaki, A. Hashimoto, K. Tanaka, M. Kawahata, K. Yamaguchi and K. Takeda
- 13 Identification of an Intermediate in the Deboronation of *ortho*-Carborane. Adduct of *ortho*-Carborane with Two Nucleophiles on One Boron Atom.**, *Chem Commun*, pp.2049-2051 (2008), Y. Taoda, T. Sawabe, Y. Endo, K. Yamaguchi, S. Fujii and H. Kagechika
- 14 Mechanic Investigation of Energy Transfer in Perylene-Cored Anthracene Dendrimers.**, *New J Chem* 32, pp.547-553 (2008), M. Takahashi, H. Morimoto, K. Miyake, H. Kawai, Y. Sei, K. Yamaguchi, T. Sengoku and H. Yoda
- 15 Secondary Metabolites of Cinnamosma Madagascariensis and Their α-Glucosidase Inhibitory Properties.**, *J Nat Prod* 71, pp.123-126 (2008), L. Harinantenaina, K. Matsunami, H. Otsuka, M. Kawahata, K. Yamaguchi and Y. Asakawa
- 16 Double Nitro-Mannich Reaction Utilizing in situ Generated N-Trimethyl-silylaldimines; Novel Four-Component One-Pot Synthesis of Nitromines.**, *Tetrahedron* 64, pp.1388-1396 (2008), S. Tanaka, Y. Oguma, Y. Tanaka, H. Echizen, H. Masu, K. Yamaguchi, K. Kishikawa, S. Kohmoto and M. Yamamoto
- 17 Triarylantimony Dicarboxylates as Pseudo-halides for Palladium-Catalyzed Cross-Coupling Reaction with Arylboronic Acids and Triarylbismuthanes without Any Base.**, *J Organomet Chem* 693, pp.109-116 (2008), W. Qin, S. Yasuike, N. Kakusawa, Y. Sugawara, M. Kawahata, K. Yamaguchi and J. Kurita,
- 18 Optical Resolution of (±)-1,2-Bis(2-methylphenyl)ethylene-1,2-diamine as a Chiral Framework for 2-Iminoimidazolidine with 2-Methylphenyl Pendant and the Guanidine-Catalyzed Asymmetric Michael Reaction of Tert-Butyl Diphenyliminoacetate and Ethyl Acrylate±.**, *J Org Chem* 73, pp.133-141 (2008), A. Ryoda, N. Yajima, T. Haga, T. Kumamoto, W. Nakanishi, M. Kawahata, K. Yamaguchi and T. Ishikawa

〈医療薬学講座〉

[原著論文]

1 Changes in attitudes among Japanese patients after Pharmacist Law revision.,

Pharmacy World & Science 30, pp.258-264 (2008), N. Iihara, Y. Kurosaki, C. Miyoshi, K. Takabatake and S. Morita

2 Comparison of individual perceptions of medication costs and benefits between intentional and unintentional medication non-adherence among Japanese patients., *Patient Educ Couns* 70, pp.292-299 (2008), N. Iihara, Y. Kurosaki, C. Miyoshi, K. Takabatake, S. Morita and K. Hori

3 Risk of hypoglycemia associated with thyroid agents is increased in patients with liver impairment., *Int J Clin Pharmacol Ther* 46, pp.1-13 (2008), N. Iihara, Y. Kurosaki, M. Takada and S. Morita

[著書・訳書]

- 1 模擬患者を活用した医療コミュニケーション教育におけるシナリオ開発プロセス, 新しい医学教育の流れ '08 冬, 三恵社, pp.71-74 (2008), 木尾哲朗, 富澤 崇, 井上京子, 岡島千佳, 佐々木圭子, 村上美穂, 飯原なおみ
- 2 ファルマシアトピックス：フラボノイドは糖尿病を防げるか？, ファルマシア **44** (11), pp.1104-1105 (2008), 中妻 章

〈生体防御学講座〉

[原著論文]

1 A functional role for semaphorin 4D/plexin B1 interactions in epithelial branching morphogenesis during organogenesis, *Development* **135**(20), pp.3333-43. (2008 Oct, Epub 2008 Sep 17), Alexander Korostylev¹, Thomas Worzfeld¹, Suhua Deng¹, Roland H. Friedel², Jakub M. Swiercz¹, Peter Vodrazka¹, Viola Maier², Alexandra Hirschberg¹, Yoshiharu Ohoka^{3,4}, Shinobu Inagaki³, Stefan Offermanns¹ and Rohini Kuner¹, ¹ *Pharmacology Institute, Im Neuenheimer Feld 366, University of Heidelberg, 69120 Heidelberg, Germany*, ² *Institute of Developmental Genetics, Helmholtz Center Munich, Ingolstädter Landstraße 1, 85764 Neuherberg, Germany*, ³ *Group of Neurobiology, School of Allied Health Sciences, Osaka University Faculty of Medicine, Yamadaoka 1-7, Suita, Osaka 565-0871, Japan*, ⁴ *Present address: Faculty of Pharmaceutical Sciences, Kagawa Campus, Tokushima Bunri University, Kagawa 769-2193, Japan*.

[総説]

- 1 **Retinoic acid production by intestinal dendritic cells and its role in T-cell trafficking**, *Seminar Immunol.*, (Epub 2008 Oct 11 ahead of print), Makoto Iwata, *Laboratory of Biodefense Research, Faculty of Pharmaceutical Sciences at Kagawa Campus, Tokushima Bunri University, Kagawa 769-2193, Japan*
- 2 **The roles of retinoic acid in lymphocyte differentiation**, *Seminar Immunol.* (Epub 2008 Oct 5 ahead of print) (Editor's Summary), Makoto Iwata (Iwata served as The Guest Editor of this issue entitled above.), *Laboratory of Biodefense Research, Faculty of Pharmaceutical Sciences at*

Kagawa Campus, Tokushima Bunri University, Kagawa 769-2193, Japan.

3 Vitamin effects on the immune system: vitamins A and D take centre stage, Nature Rev Immunol 8, pp.685-698 (2008), J Rodrigo Mora¹, Makoto Iwata², Ulrich H. von Andrian³, ¹Gastrointestinal Unit, Massachusetts General Hospital, Harvard Medical School, Boston, Massachusetts 02114, USA, ²Faculty of Pharmaceutical Sciences at Kagawa Campus, Tokushima Bunri University, Kagawa 769-2193, Japan, ³ Immune Disease Institute & Department of Pathology, Harvard Medical School, Boston, Massachusetts 02115, USA

4 ビタミンAの腸管リンパ球分化・局在における重要性, リンパ学 31 (2), pp.33-37 (2008), 岩田 誠, 香川薬学部

5 ビタミンAの腸管免疫における役割, 栄養—評価と治療 25, pp.59-62 (2008), 岩田 誠, 香川薬学部

〈衛生薬学講座〉

[原著論文]

1 Cyclooxygenase-2 expression and prostaglandin E2 production in response to acidic pH through OGR1 in a human osteoblastic cell line., J Bone Miner Res. 23, pp.1129-1139(2008), H. Tomura, J. Q. Wang, J. p. Liu, M. Komachi, A. Damirin, C. Mogi, M. Tobe, H. Nohi, K. Tamoto, D. S. Im, K. Sato and F. Okajima

2 Stimulatory Role of Lysophosphatidic Acid in COX-2 Induction by Synovial Fluid of Patients with Rheumatoid Arthritis in Fibroblast-like Synovial Cells., J Immunol. 166, pp.2317-2322 (2008), H. Nohi, H. Tomura, M. Tobe, N. Tanaka, K. Sato, T. Shinozaki, T. Kobayashi, K. Takagishi, H. Ohta, F. Okajima and K. Tamoto

〈放射化学講座〉

[原著論文]

1 Water-proton relaxivities of DNA oligomers carrying TEMPO radicals., Magn. Reson. Chem. 46, pp.1055-1058 (2008), Y. Sato, H. Hayashi, M. Okazaki, M. Aso, S. Karasawa, S. Ueki, H. Suemune and N. Koga.

〈薬物動態学講座〉

[原著論文]

1 Hepatic UDP-glucuronosyltransferases responsible for glucuronidation of thyroxine in humans., Drug Metab. Dispos. 36, pp.51-55 (2008), Y. Kato, S. Ikushiro, Y. Emi, S. Tamaki, H. Suzuki, T. Sakaki, S. Yamada and M. Degawa

- 2 Alteration of muscarinic and purinergic receptors in urinary bladder of rats with cyclophosphamide-induced interstitial cystitis.**, *Neuroscience Letters* **436**, pp.81-84 (2008), A. Kageyama, T. Fujino, Y. Taki, Y. Kato, Y. Nozawa, Y. Ito and S. Yamada
- 3 Hg, Zn and Cu levels in the muscle and liver of tiger sharks (*Galeocerdo cuvier*) from the coast of Ishigaki Island, Japan: Relationship between metal concentrations and body length.**, *Mar. Pollut. Bull.* **56**, pp.1774-1780 (2008), T. Endo, Y. Hisamichi, K. Haraguchi, Y. Kato, C. Ohta and N. Koga
- 4 Negative APCI-LC/MS/MS method for determination of natural persistent halogenated products in marine biota.**, *Anal. Chem.* **80**, pp.9748-9755. (2008), K. Haraguchi, Y. Kato, K. Atobe, S. Okada, T. Endo, F. Matsubara and T. Oguma
- 5 A possible mechanism for the decrease in serum thyroxine level by 4-OH-2,2',3,4',5,5',6-heptachlorobiphenyl in mice.**, *Organohalogen Compounds* **70**, pp.1601-1604 (2008), Y. Kato, K. Haraguchi, M. Kubota, S. Ikushiro, T. Sakaki, N. Koga, S. Yamada and M. Degawa
- 6 Metabolism of 2,2',3,4',5,5'-hexachlorobiphenyl (CB146) by liver microsomes from rats, hamsters and guinea pigs.**, *Organohalogen Compounds* **70**, pp.1185-1188 (2008), C. Ohta, K. Haraguchi, , Y. Kato, T. Endo, M. Matsuoka and N. Koga

[著書]

- 1 The distribution of metabolites of 2,2',3,4,4',5',6-heptachlorobiphenyl (CB183) in rats and guinea pigs.** Persistent Organic Pollutants (POPs) Research in Asia (Edited by M. Morita), The DIOXIN2007 International symposium organizing committee, pp.236-241 (2008), C. Ohta, K. Haraguchi, Y. Kato, M. Matsuoka, T. Endo and N. Koga
- 2 The formation of a catechol metabolite of 2,2',4,5,5'-pentachlorobiphenyl (CB101) by liver microsomes from rats, hamsters, guinea pigs and humans.** Persistent Organic Pollutants (POPs) Research in Asia (Edited by M. Morita) The DIOXIN2007 International symposium organizing committee, pp.292-297 (2008), N. Koga, C. Ohta, K. Haraguchi, M. Matsuoka, Y. Kato and T. Endo

〈神経科学研究所〉

[総説]

- 1 RasGAPs: A master regulator of extracellular stimuli for homeostasis of cellular functions.**, *Molecular BioSystems* **4**, pp.213-222 (2008), S. Iwashita and S-Y. Song

〈中央機器室〉

- 1 A SEC-HPLC-ICP MS Hyphenated Technique for Identification of Sulfur-Containing Arenic Metabolites in Biological Samples.**, *J Chromatogr B* **874**, pp.64-76 (2008), B. K. Mandal, K. T. Suzuki, K. Anzai, K. Yamaguchi and Y. Sei

- 2 Encapsulation of Aromatic Molecules in Hexanuclear Arene Ruthenium Cages: A Strategy to Build Up Organometallic Carceplex Prisms with a Dangling Arm Standing Out.**, *Organometallics* 27, pp.4346-4356 (2008), J. Mattson, P. Govindaswamy, J. Furrer, Y. Sei, K. Yamaguchi, G. Suss-Fink and B. Therrien
- 3 Translation of Helical Chirality from Polymer into monomer: Supramolecular Polymerization of a Chirality-Memory Molecule with an Asymmetric Pd(II) Complex.**, *Tetrahedron* 64, pp.8264-8270 (2008), A. Akhtarul , A. Tsuda, Y. Sei, K. Yamaguchi and T. Aida
- 4 Intramolecular Nonbonded S … N Interaction in Rabeprazole.**, *Chem Pharm Bull* 56(6), pp.802-806 (2008), K. Hayashi, S. Ogawa, S. Sano, M. Shiro, K. Yamaguchi, Y. Sei and Y. Nagao
- 5 Detection of Microcystin-Metal Complexes by Using Cryospray Ionization-Fourier Transform Ion Cyclotron Resonance Mass Spectrometry.**, *Toxicon* 51, pp.1496-1498 (2008), K. Saito, Y. Sei, S. Miki and K. Yamaguchi
- 6 Mechanic Investigation of Energy Transfer in Perylene-Cored Anthracene Dendrimers.**, *New J Chem* 32, pp.547-553 (2008), M. Takahashi, H. Morimoto, K. Miyake, H. Kawai, Y. Sei, K. Yamaguchi, T. Sengoku and H. Yoda

〈センカ創薬実践科学（寄付講座）〉

- 1 Total Synthesis of Dispyrin, Purpurealidin E, and Aplysamine-1.**, *Chem Pharm Bull* 56(9), pp.1362-1363 (2008), M. Yoshida and K. Yamaguchi